

In the Specification:

Please change the paragraph on page 1 in lines 8-22, as follows:

Several known solutions exist for sharpening chain saw teeth, all of them being limited either to the use in the service and maintenance facilities, or to different embodiments of hand files. ~~So for~~ For instance, a solution is disclosed in the US Patent No. 3,172,306 enabling guidance of the file in the set direction providing an accurate geometry of cutting surfaces of each tooth. The drawback of the said solution is the slowness of the sharpening and the inability of ensuring the repeatability of sharpening even with the very next tooth. The device is unstable when used and unsuitable for use in an arbitrary location. Another solution is known from the US ~~patent~~Patent No. 4,762,027 where a grinding wheel travels during sharpening over an arch determined by a bearing located transversally to the chain plane. Such an arrangement results in the convexity of the cutting edge of a tooth representing a situation which is the opposite to what is wanted. Still another solution disclosed in the US Patent No. 4,319,502 comprises a grinding wheel swinging in a vertical plane, however, this solution did not remedy the problem of the convexity of the surface to be sharpened. In addition, the said device is too big and too heavy for field work, and is also unfavourable with regard to the power consumption.

Please change the paragraph on page 2 in lines 1-8, as follows:

The device according to the invention comprises a spatial curved carrier fixed by means of a fastening means to the upper end of an arm originating in a body, so that said carrier can be optionally shifted on the circular arc along said fastening means. Said body is provided on the lower side and over the entire length thereof with a groove which penetrates the body in the area between said arms and is connected to a gap between said arms. The free end of the carrier is connected by means of a mounting to a swivel arm which lies essentially in a plane being predominantly parallel to the plane of the carrier. The actuator with the grinding wheel is associated ~~to~~with the free end of the swivel arm.

Please change the paragraph on page 2 in lines 10-30, as follows:

The first, left body half is formed with a click bulge on the outside i.e. on the side facing away from a chain blade, said click bulge ~~intended for cooperation with~~ may be of a form for engaging a click spring guard. An adapter is associated ~~to-with~~ the inside of the left body half, said adapter reaching the chain area with an inwardly bent flange provided at the free end thereof. A flexible adapter is associated ~~to-with~~ the inside of the right body half, said adapter reaching the chain area with an inwardly bent flange provided at the free end thereof. Said flanges of each adapter ~~impose from the above upon~~ may set on from above a pair of pins of each chain link. Furthermore, the left half comprises a distance bolt with which the adapter is moved in either direction. Two distance screws extend through the right body half and through the flexible adapter, said distance screws being intended for fixing the device to the saw blade. The right body half is formed with a recess in the upper part thereof and in the area between the arms of the body, a correspondingly formed pressure member, which can be swung about an adjusting screw, rests in said recess. Said pressure member is intended to compensate potential clearance of the adjusting screw. An adjusting nut mates with said adjusting screw determining the sharpening depth in the horizontal direction i.e. in the direction of the chain of the saw.

Please change the paragraph on page 3 in lines 5-10, as follows:

An additional measurement for increasing the accuracy of sharpening the teeth of the chain saw provides for to eliminate the axial clearance of the rotor shaft of the actuator. This is achieved by ~~that having~~ the first rotor bearing located on the side of the grinding wheel, ~~is fixed by the outer~~ ring of said bearing in the stator of the actuator, whereas the inner ring of said bearing is held on one side with a sleeve extending up to the rotor of the actuator and on the other side with a shoulder for receiving the grinding wheel.

Please change the paragraph on page 4 in lines 1-25, as follows:

A spatially curved carrier 12 is fixed to the free end i.e. to the upper end of the afore mentioned arms by means of a fastening means 11 so that it can be optionally shifted along an arc and the fastening means 11 when the latter is loosened. The tilting of the carrier 12 relative to the imaginary plane of the saw teeth 8 in the area of the sharpening preferably equals to approximately 45°. The free end of the carrier 12 which is located at the starting position of the device operation approximately in the mid area above the chain 7, is connected to a swivel arm 14 by means of a mounting 13, said arm being essentially arranged in a plane being predominantly parallel to the plane of the carrier 12. An actuator 15 with a grinding wheel 16 is attached to the free end of the swivel arm 14. Said actuator 15 can be either an electric motor, supplied with electricity from electric mains or a battery, and a pneumatic motor or a hydraulic motor. In order to achieve sharpening accuracy, the mounting 13 of the spatially curved carrier 12 and the swivel arm 14 must be formed with the smallest clearance possible. Therefore, the mounting 13 of the swivel arm 14 in the spatially curved carrier 12 consists of two bearings being held in a constant mutual distance by means of a spacer which is in direct contact with the inner ring of each bearing. On one side, the outer ring of each bearing is held by the head of a bolt carrying both bearings, and on the other side it is held by a nut. The said spacer holds the bearings in such a distance that the swinging movement of the swivel arm 14 is always secured without unnecessary wear and clearance. An adjusting arm 17 with an on-off switch ~~17~~18 is located on said actuator 15, and said switch is preferably of such a form that the actuator 15 is turned off when the switch 18 is released. Using a set means 19, the mounting 13 and the swivel arm 14 can be moved in a guide 20 nearer and further, respectively, in the direction towards and away from the axis of the grinding wheel 16, respectively and the grinding pitch in a vertical direction is set therewith. The chosen position of the swivel arm 14 relative to the spatially curved carrier 12 can be positionally secured by means of a fastening means 21.

Please change the paragraph on page 5 in lines 1-23, as follows:

The device according to the invention is further described with reference to the Fig. 5 and 6 showing cross sectional views of a part of said device. As already mentioned above, the said body 1 resembles, in the transverse direction the shape of the letter U turned upside down, comprising the first, left half 25, the second, right half 26 and the groove 5 extending therebetween to receive the saw blade 6 with the chain 7. The first, left half 25 of the body 1 is provided on its outer side, i.e. the side facing away from the saw blade 6, with a click bulge 27 intended for cooperation with a click spring guard 28. An adapter 29 is attached to the inner side of the left half 25 of the body 1 extending with a flange 30 into the area of the chain 7, said flange 30 being formed on the free end of said adapter and turned inwards. Similarly, a flexible adapter 31 is attached to the inner side of the right half 26 of the body 1 extending with a flange 32 into the area of the chain 7, said flange 32 being formed on the free end of said adapter and turned inwards. Said flanges 30, 32 of the respective adapter 29, 31 sit from the above onto the pair of pins 10 of the respective link of the chain 7 when the device according to the invention is set correctly. The factory setting of the device according to the invention with regard to the thickness of the saw blade 6 is achieved by means of a distance bolt 33 with which the adapter 29 is moved closer to or away from. Through the right half 26 of the body 1 and through the flexible adapter 31 extend two distance bolts 34 which are tightened up when the device according to the invention is mounted onto the saw blade 6 so as to press against said saw blade with their respective ends, whereby the sharpening device is stabilized on said saw blade. Said distance bolts 34 are connected in a limited way to the right half 26 of the body 1 by means of a nut and a lock nut so that they can always be tightened up with ~~the optional~~varying force, yet the pressure against the saw blade 6 remains the same in every instance.

Please change the paragraph starting on page 5 line 25 and ending on page 6 line 7, as follows:

The right half 26 of the body 1 is formed with a recess 35 in the upper part thereof and in the area between the arms 2, 3 of the body 1, a suitably formed pressure member 37 cooperates with the said recess when the sharpening device is mounted onto the saw blade 6, said pressure member 37 being pivoted about an adjusting screw 36, whereby in the closed position the pressure member 37 compensates any potential clearance of the adjusting screw 36. The grinding depth in a horizontal direction can be set by moving the pressure member 37 by means of an adjusting nut 36' arranged on the adjusting screw 36. In order for the pressure member 37 to be ~~fineprecisely~~ set to the thickness of the saw blade 6 it comprises a pair of distance bolts 38 arranged ~~practicallysubstantially~~ perpendicular[[ly]] to the saw blade 6, and when the sharpening device is ready to operate, said bolts press with the ends thereof against the flexible adapter 31 which is seated with the flange 32 thereof from the above onto two pins 10 of the chain 7. The aforementioned click spring guard 28 is attached to the said pressure member 37 said guard comprising a pair of shoulders 39, 40 arranged in a manner that one of them arrests the tooth 8 being sharpened when the guard 28 is closed i.e. when said guard cooperates with the click bulge 27. The first of said shoulders 39, 40 is intended for arresting the right tooth and the second one for arresting the left tooth of the chain 7. Said adjusting screw 36 is intended for setting the sharpening depth.

Please delete the "(Fig. 1)" in the Abstract on line 11.